Electronic Acknowledgement Receipt				
EFS ID:	6122714			
Application Number:	10619796			
International Application Number:				
Confirmation Number:	7886			
Title of Invention:	Sparse and efficient block factorization for interaction data			
First Named Inventor/Applicant Name:	Francis X. Canning			
Customer Number:	20995			
Filer:	Lee W. Henderson/Heide Young			
Filer Authorized By:	Lee W. Henderson			
Attorney Docket Number:	CANNING.001CP2			
Receipt Date:	22-SEP-2009			
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Submitted with Payment	yes
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Payment was successfully received in RAM	\$ 245
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Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Amendment_CANNING001CP2	Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.		
Multipart Description Start End	1			567560	yes	11		
Document Description Start End								
Amendment/Req. Reconsideration-After Non-Final Reject 1 1 1 Claims 2 7 Applicant Arguments/Remarks Made in an Amendment 8 11 Warnings: Information: 2 IDS_CANNING001CP2.pdf 108469 yes 3 Multipart Description/PDF files in .zip description Document Description Start End Transmittal Letter 1 2 Information: Information: Warnings: Information: 3 Fee Worksheet (PTO-875) fee-info.pdf 108104 1081		Multipart Description/PDF files in .zip description						
Claims 2 7 Applicant Arguments/Remarks Made in an Amendment 8 11 Warnings:		Document De	scription	Start	End			
Applicant Arguments/Remarks Made in an Amendment 8 11 Warnings: Information: 2 IDS_CANNING001CP2.pdf 108469 yes 3 Multipart Description/PDF files in .zip description Document Description Start End Transmittal Letter 1 2 Information: Information: 3 Fee Worksheet (PTO-875) fee-info.pdf 32104 bettis/fide/click/size/size/size/size/size/size/size/size		Amendment/Req. Reconsiderat	Amendment/Req. Reconsideration-After Non-Final Reject		1			
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Information: 2		Applicant Arguments/Remarks Made in an Amendment		8	11			
2 IDS_CANNING001CP2.pdf 108469 yes 3 IDS_CANNING001CP2.pdf 1045a34a3653960a2e9ca0ctee82228486 yes 3 Multipart Description/PDF files in .zip description Document Description Start End Transmittal Letter 1 1 2 Information Disclosure Statement (IDS) Filed (SB/08) 3 3 3 Warnings: Information: 3 Fee Worksheet (PTO-875) fee-info.pdf 32104 be/33575466563399549246991044e3ea5539 2344a Warnings:	Warnings:			1				
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.